

PATENT ABSTRACTS OF JAPAN

(11) Publication number : 04-149166
 (43) Date of publication of application : 22.05.1992

(51) Int. CI.

C07C237/22
 A61K 37/02
 A61K 37/02
 A61K 37/02
 C07C271/22
 C07K 5/06
 // C12N 9/99

(21) Application number : 02-272183

(22) Date of filing : 12.10.1990

(71) Applicant : NIPPON KAYAKU CO LTD

(72) Inventor : YAMADA FUMIKA
 SUGIMURA HIDEO
 SOMENO TETSUYA
 MURAOKA YASUHIKO
 TSUDA MAKOTO
 TAKEUCHI TOMIO
 AOYANAGI TAKAAKI

(54) NOVEL KETO ACID AMIDE DERIVATIVE

(57) Abstract:

NEW MATERIAL: A compound of formula I [X is peptide residue or amino acid residue (functional group is protected), H, amino-protecting group; Y is peptide residue or amino acid residue (functional group is protected); R is phenyl-lower alkyl or naphthyl-lower alkyl (substituted with halogen, lower alkyl, etc.,)] or a salt thereof.

EXAMPLE: (3RS)-3-tert.-Butyloxycarbonylamino-2-oxo-4-(0-methoxyphenyl) butanoyl-D-leucyl-valine benzyl ester.

USE: A medicine. The compound of formula I exhibits an inhibitory activity against a chymotrypsin-like protease.

PREPARATION: A compound of formula III obtained from a compound of formula II (P is the protecting group of the amino group) by a conventional synthetic method is oxidized with an oxidizing agent such as pyridine-trifluoroacetic acid to provide the compound of formula I.

